



382769

<b>MINE-L0054097</b> 		<b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT</b> <b>PART 1 - SITE INFORMATION AND ASSESSMENT</b>		<b>I. IDENTIFICATION</b> 01 STATE 02 SITE NUMBER <b>ILD 980265979</b>	
<b>II. SITE NAME AND LOCATION</b>					
01 SITE NAME (Legal, common, or descriptive name of site)			02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER		
<b>OLD BEN COAL COMPANY #27</b>			<b>RR #2</b>		
03 CITY			04 STATE	05 ZIP CODE	06 COUNTY
<b>ST FRANKFORT</b>			<b>IL</b>	<b>62896</b>	<b>FRANKLIN</b>
09 COORDINATES LATITUDE			07 COUNTY CODE		
<b>33 26.0</b>			<b>055</b>		
LONGITUDE			08 CONG DIST		
<b>088 49 13.0</b>			<b>24</b>		
10 DIRECTIONS TO SITE (Starting from nearest public road)			<b>THOMPSONVILLE - 263A</b>		
<b>SEE ATTACHMENTS ON THE BACK</b>					
<b>III. RESPONSIBLE PARTIES</b>					
01 OWNER (If known)			02 STREET (Business, mailing, residential)		
<b>OLD BEN COAL CORP.</b>			<b>69 WEST WASHINGTON ST.</b>		
03 CITY			04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
<b>CHICAGO</b>			<b>IL</b>	<b>60602</b>	<b>312-332-2360</b>
07 OPERATOR (If known and different from owner)			08 STREET (Business, mailing, residential)		
<b>OLD BEN COAL COMPANY</b>			<b>500 N DU QUOIN ST</b>		
09 CITY			10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
<b>BENTON</b>			<b>IL</b>	<b>62812</b>	<b>618-435-8176</b>
13 TYPE OF OWNERSHIP (Check one)					
<input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)					
<input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: ____/____/____ <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ <input checked="" type="checkbox"/> C. NONE					
<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>					
01 ON SITE INSPECTION			BY (Check all that apply)		
<input checked="" type="checkbox"/> YES    DATE ____/____/____ <input type="checkbox"/> NO    MONTH DAY YEAR			<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)		
			CONTRACTOR NAME(S): _____		
02 SITE STATUS (Check one)			03 YEARS OF OPERATION		
<input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN			<b>1976</b> <b>01-22-83</b> BEGINNING YEAR    ENDING YEAR <input type="checkbox"/> UNKNOWN		
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED					
<b>NONE</b>					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION					
<b>NONE</b>					
<b>V. PRIORITY ASSESSMENT</b>					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)					
<input type="checkbox"/> A. HIGH (inspection required immediately) <input type="checkbox"/> B. MEDIUM (inspection required) <input type="checkbox"/> C. LOW (inspect on time available basis) <input checked="" type="checkbox"/> D. NONE (no further action needed, complete current disposition form)					
<b>VI. INFORMATION AVAILABLE FROM</b>					
01 CONTACT		02 OF (Agency, Organization)		03 TELEPHONE NUMBER	
<b>JOE WESSELMAN</b>		<b>ENVIRONMENTAL ENGINEER</b>		<b>618-435-8176</b>	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
<b>LARRY WINNER</b>		<b>IEPA</b>	<b>HSPS</b>	<b>217-782-9848</b>	<b>11/03/84</b>




$$^{\circ} \text{C} = 1.8 (F - 32) + 32$$

NO OF DRUMS

~~FM NOT APPLICABLE~~

## EPA FORM 2070-12 (7-81)





MINE-1-0054097

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

## PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

## I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 990265979

## II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ B. SURFACE WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ C. CONTAMINATION OF AIR  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ D. FIRE/EXPLOSIVE CONDITIONS  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ E. DIRECT CONTACT  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ F. CONTAMINATION OF SOIL  
03 AREA POTENTIALLY AFFECTED \_\_\_\_\_  
(Acres)02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ G. DRINKING WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ H. WORKER EXPOSURE/INJURY  
03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED01 ☐ I. POPULATION EXPOSURE/INJURY  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_02 ☐ OBSERVED (DATE \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION \_\_\_\_\_☐ POTENTIAL ☐ ALLEGED





POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 980269979

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills, runoff, standing liquids, leaking drums)  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA-MINE-FILES



## EXECUTIVE SUMMARY

Old Ben Coal Company #27, R. R. #1, West Frankfort, Illinois 62896, Franklin County, Lat. 37°-53'-26", Long. 088°-49'-13". Thompsonville-263A owned by Old Ben Coal Corp., 69 West Washington Street, Chicago, Illinois 60602. Mine office and person to contact: Old Ben Coal Co., 500 North DuQuoin Street, Benton, Illinois 62812. Mr. Joe Wesselman, Environmental Engineer (618) 435-8176.

The Old Ben #27 is located approximately 5 miles east of West Frankfort. Any drainage from this mine would flow to the Old West Frankfort Reservoir.

The Old Ben #27 is a shaft mine which was opened in 1976 and was shut down on January 22, 1983. The mine employed continuous miners (machines) to mine the No. 6 (Herrin) coal seam which is 350 feet deep, with a thickness of approximately 8'4". No coal is processed at this mine, all coal is transported by conveyor belt to the John Ross Preparation Plant. All surface runoff flows to the sedimentation pond located in the northeast corner of the permit area.

All general inspection reports stated that this facility had not violations and that there was no evidence of hazardous waste disposal at this site. This Agency recommends a none priority assessment for this facility.

LW:jk/sp/2546d,6



DEC 15 1983

State of Illinois

Dept. & Div. ILL EPA - MPCP Inspector Gary L. Mont <sup>MINE POLLUTION</sup>  
 (Signature) <sup>CONTROL PROGRAM</sup>  
 Mine Name OLD BEN MINE #27 Mine Company OLD BEN COAL COMPANY

IEPA Permit No. I 20054097 M & M Permit No. \_\_\_\_\_ County FRANKLIN

General Location APPROX 5 MILES EAST OF WEST FRANKFORT

Arrival Time 10:30 A Weather Conditions SUNNY WARM LIGHT WIND

## RECLAMATION TYPE (Check Appropriate Type)

Mine Includes Prime Land Yes/ No  
 Steep Slope Rule Applies Yes/ No  
 Coal Preparation Yes/ No  
 Not Applicable       

Reason for Visit: ROUTINE

Persons Contacted:

JOE WESSELMAN - ENV. ENGINEER

## PARAMETER CHECKLIST

1. Availability of: A permits B Plans
2. Imminent Danger to Public Health and Safety
3. Significant Imminent Environmental Harm
4. Signs and Markers: A. mine entrance B. perimeter C. blasting D. topsoil  
 E. perimeter observance 1. 100' zone 2. 300' zone F. permit area correlation  
G not investigated H. not applicable
5. Disposal Spoil and Waste Material Outside Pit or Direct Cast Site: A. gob disposal:  
 1. site capacity 2. covering 3. vegetation B. within permit area C. site approved  
 D. slope of site E. steep slope rules F. valley fill or head of hollow fills:  
 1. permit area 2. location near ridge top 3. fill design 4. fill construction  
 5. steep slope rules 6. under drains 7. lateral drains 8. controlled placement  
 9. engineer inspection G not investigated H. not applicable
6. Soil Handling: A. removal before other disturbance B. storage C. protection  
 D. thickness E. root medium F. other overburden G. toxic material handling  
 H. root medium satisfactory for top soil replacement (slope, thickness, texture)  
 I. topsoil replaced J. grading current K. rills and gullies L. erosion control  
 systems M. timely revegetation and mulching N not investigated O. not applicable
7. Prime Land: A. prime land determination B. soil horizon removal prior to other  
 disturbance C. thickness removed D. approved horizon storage E. protection of  
 stockpiles F. horizon replacement and thickness G. protection of replaced horizons  
 H. grade I not investigated J. not applicable
8. General Water Quality and Hydrology: A waterways B. grading C. vegetation D. toxic  
 material E. horizontal bore holes F sediment ponds: 1. size 2. structure  
 3. spillway 4. clean out 5. over 20' high or over 20 acres foot storage (yes/ no)  
 6. seepage 7. structural weakness 8. discharge structure 9. chemical treatment system  
 10(a). permitted yes/ no G discharge water quality H. buffer zone (100') observance  
 I. zone markers G NPDES permits required yes/ no K. water quality L. not inves-  
 tigated M. not applicable

cc: Dept. of Mines and Minerals



9. Stream Channel or Other Water Diversion: A. temporary or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures ☒ not investigated O. not applicable
10. Road Hydrology: ☒ culverts ☒ ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. out slope drains H. construction material toxic/ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable
11. Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard ☒ stability ☒ seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure K. not investigated L. not applicable
12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated ☒ not applicable
13. Preparation Plant: A. yes: 1. permitted yes/ no 2. closed water system yes/ no 3. discharge potential yes/ no B. no, raw coal shipped ☒ not investigated

LEGEND: ☐ = parameter inspected: ☒ = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation

NO VIOLATIONS FOUND

☒ SEE ATTACHMENT

Indicated Parameter			Comments Or Action Taken
Check Column			
No.	Vio- lation	Non-Vio- lation	
EN		✓	
MM			
8,2		✓	
8,F		✓	
8,G		✓	
8,J		✓	



Mine Name OLD BEN #27

9. Stream Channel or Other Water Diversion: A. temporary or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures (N) not investigated O. not applicable
10. Road Hydrology: A. culverts (B) ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. outslope drains H. construction material toxic/ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable
11. Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard D. stability E. seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure (L) not investigated L. not applicable
12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated (H) not applicable
13. Preparation Facility (includes crushing and screening): A. water circuit 1. open system 2. closed system 3. no water circuit B. slurry impoundment 1. berm stability a.) seepage b.) vegetative cover c.) freeboard 2. acid producing potential (C) not investigated D. not applicable
14. Domestic Wastewater Treatment Facilities: A. type of system (1) activated sludge package plant 2. lagoon - sandfilters 3. septic tank w/sand filters 4. other (D) sand filter maintenance 1. weeds 2. raking 3. sand replacement C. chlorination D. certified operator E. not investigated F. not applicable

LEGEND: O = parameter inspected:  $\emptyset$  = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation.

\_\_\_ NO VIOLATIONS FOUND

✓ SEE ATTACHMENT

Indicated Parameter

Comments or Action Taken

Check Column

No.	Viol- ation	Non-Viol- ation
26		✓
36		✓
85		✓

GENERAL COMMENTS: During this investigation, I was accompanied by Joe Wesselman, Environmental Engineer, whom explained that very little activity has occurred at the site which has caused the site wastewater treatment facility to become non-functional for all practical purposes. The site has been shut down and the only activities include some routine maintenance and housekeeping.

8. G.: I observed the site's singular sedimentation pond which was discharging at approximately 10 gpm. ; the discharge waters appeared clear, and no sample was obtained.

8. J.: This site is permitted under NPDES Permit .L0054097 which expires September 30, 1985. The site sedimentation pond, discharge 002, does not qualify for the rainfall exemption. Note: All Discharge Monitoring Reports have been submitted in accordance with permit conditions.



ATTACHMENT

Old Ben Coal Company  
Old Ben Mine #27  
October 27, 1983

GENERAL COMMENTS: During this investigation, I was accompanied by Joe Wesselman, Environmental Engineer for the subject company. Mr. Wesselman and I observed that most of the underground mining equipment has been removed from the materials storage area where it was stored after being removed from underground. The mine has not operated for some time now and the only activities observable were cleanup activities.

8. A.: All surface runoff still reports to the sedimentation pond located in the northeast corner of the permit area.

8. F.: This site has only one sedimentation pond which appeared well stabilized with a vegetative growth on the pond berms.

8. G.: I obtained an effluent sample and prepared and shipped it to the Agency's Champaign Regional Office laboratory for analysis. The results of the analyses are listed below:

Sample #1: obtained from the spillway pipe of pond #1. The water was discharging at approximately 75 gpm. and the water sample appeared clear.

LAB. #B017507

T. Iron	0.9 mg/l	Suspended Solids	12 mg/l
Manganese	2.3 mg/l	pH	8.1
Sulfate	1825 mg/l	Alkalinity	174 mg/l
Conductance	11,360 mg/l	T. Acidity	0 mg/l

8. J.: This site is permitted under NPDES Permit IL0054097, which expires January 31, 1985. Note: All Discharge Monitoring Reports have been submitted in accordance with permit conditions.

*Gary L Minton*

Gary L. Minton  
Environmental Protection Agency

GLM:ngg  
12/13/83  
cc: Dept. of Mines and Minerals  
F.O.S./MPCP



SAMPLE  
#1

WATER QUAL

WASTE TREATMENT WORKS  
ENVIRONMENTAL PROTECTION AGENCY

FOR LABORATORY USE ONLY

SAMPLE COLLECTED BY

GARY L. MINTON

SAMPLE RECEIVED BY

DATE REC'D

11. 1983

TIME REC'D

1P

SAMPLING LOCATION:

OLD BEN #27

POND  
002

BASIN SUB-BASIN

TRIBUTARY

SIG Muddy/MF

TILLEY CREEK

CARD COL

1

CARD NO. 1

CARD COL

1

2

CARD NO. 2

CARD COL

1

3

CARD NO.

2-5

NHBA

BASIN CODE

6-7

PLANT OR STATION NO

8-10

FIPS COUNTY CODE  
(USE ONLY FOR PL)

11-17

RL47007

LAB  
ID NO

11-17

RL47500

LAB  
ID NO

11-17

RL47007

LAB  
ID NO

18

SAMPLE TYPE CODE  
(SEE LIST BELOW)

18

SAMPLE TYPE CODE

18

SAMPLE TYPE CODE

19-20

83

YEAR

ARSENIC 19-22

21-22

10

MONTH

BARIUM 23-25

23-24

27

DAY

BORON 26-28

25-26

10

HOUR (NEAREST)

CADMIUM 29-32

27

A

TIME OF DAY (A.P.N.)

CHROMIUM (HEX) 33-35

28-30

WATER TEMPERATURE  
(DEG F)

CHROMIUM (TRI) 36-38

31-33

FIELD DO

CHROMIUM 39-41

34-35

PH (UNITS) 34-35

P1

COPPER 42-45

36-37

TOTAL PHOSPHORUS 36-40

CYANIDE 46-49

38-39

AVG

300-41-44

IRON (T) 50-53

0.9

40-41

AVG

300-41-44

IRON (DISSOLVED) 54-56

42-43

DO D 42-43

LEAD 57-60

44-45

CONDUCTANCE

11360

REC COL  
(IF NEEDED)

MANGANESE 61-63

2.3

46-47

AMMONIA 46-47

MERCURY  
(MICRO GML) 64-65

48-49

NITRATE +  
NITRITE AS N

NICKEL 57-69

50-51

ORGANIC N 50-51

SELENIUM 70-72

52-53

TOTAL N 52-53

SILVER 73-75

54-55

TDS

ZINC 77-79

56-57

ALL RESULTS EXPRESSED AS MGL EXCEPT  
WHERE OTHERWISE STATED

OTHER TESTS REQUIRED

58-59

FREE ACIDITY 75-77

OTHER TESTS REQUIRED

60-61

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

62-63

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

64-65

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

66-67

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

68-69

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

70-71

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

72-73

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

74-75

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

76-77

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

78-79

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

80-81

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

82-83

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

84-85

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

86-87

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

88-89

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

90-91

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

92-93

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

94-95

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

96-97

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

98-99

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

100-101

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

102-103

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

104-105

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

106-107

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

108-109

OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

110-111

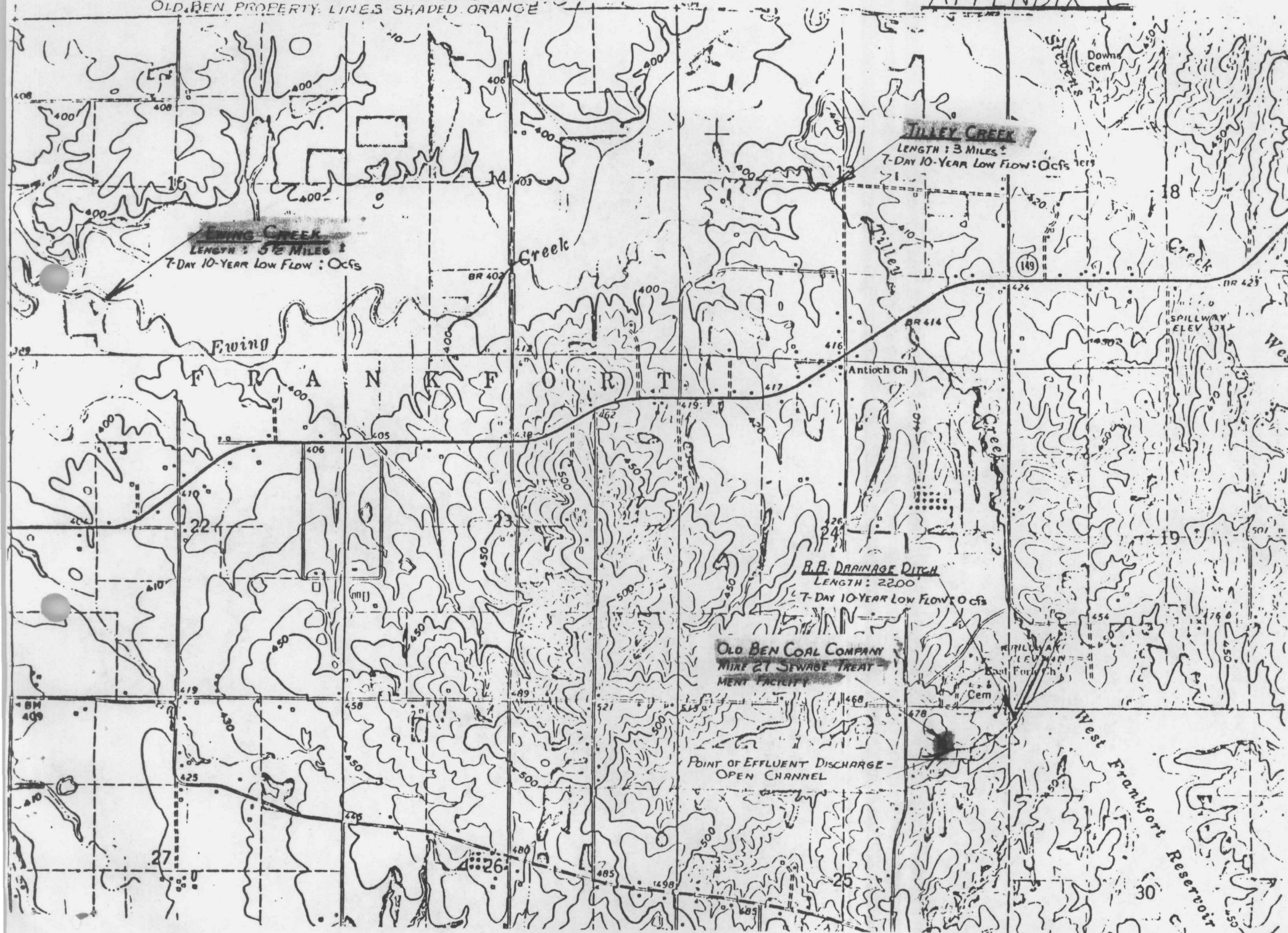
OTHER TESTS REQUIRED

OTHER TESTS REQUIRED

WPC-129 REV 3-78



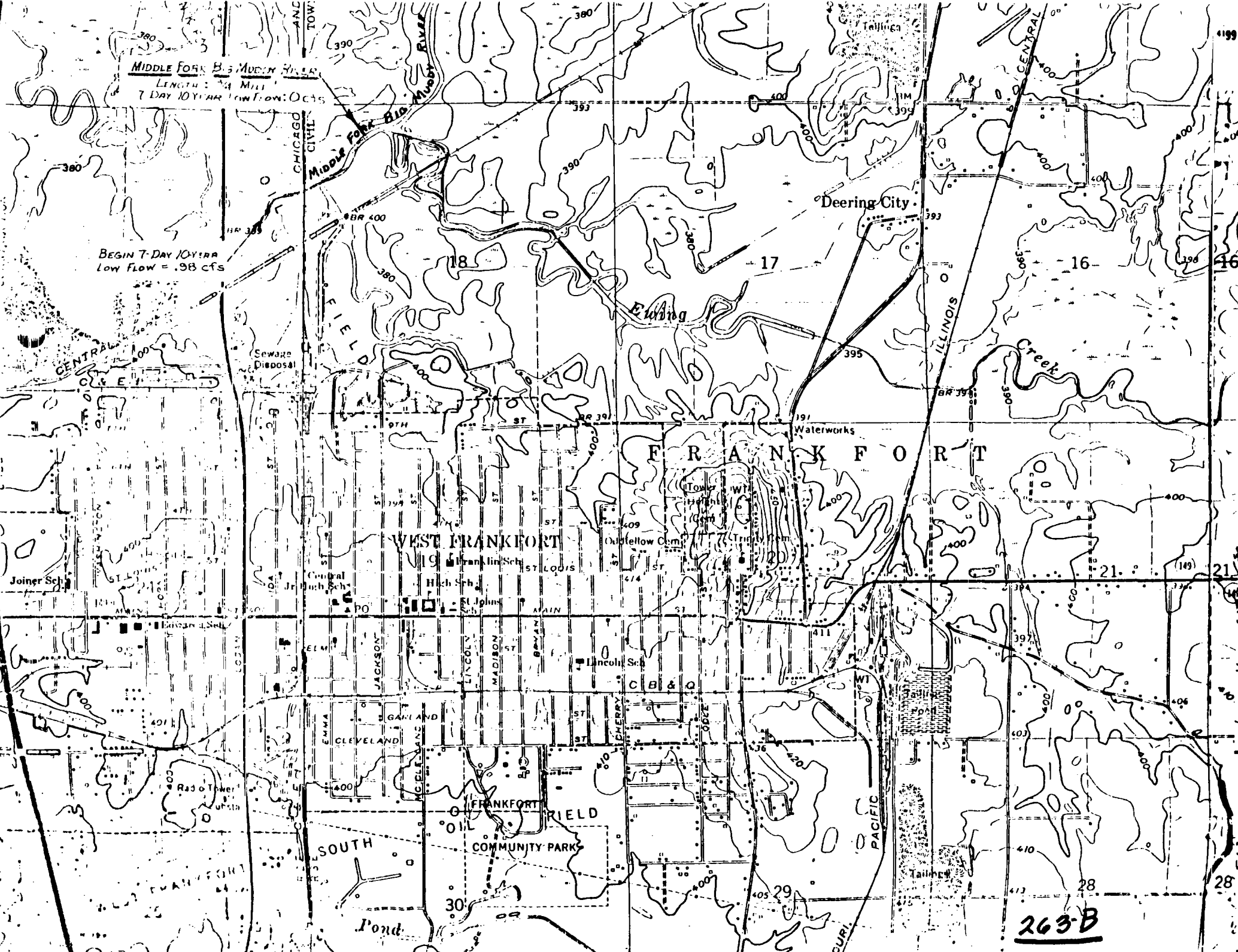
## APPENDIX 2





MIDDLE FORK BIG MUD RIVER  
LENGTH: 24 MILE  
7 DAY 10 YEAR LOW FLOW: 0.05 CFS

BEGIN 7-DAY 10-YEAR  
LOW FLOW = .98 CFS



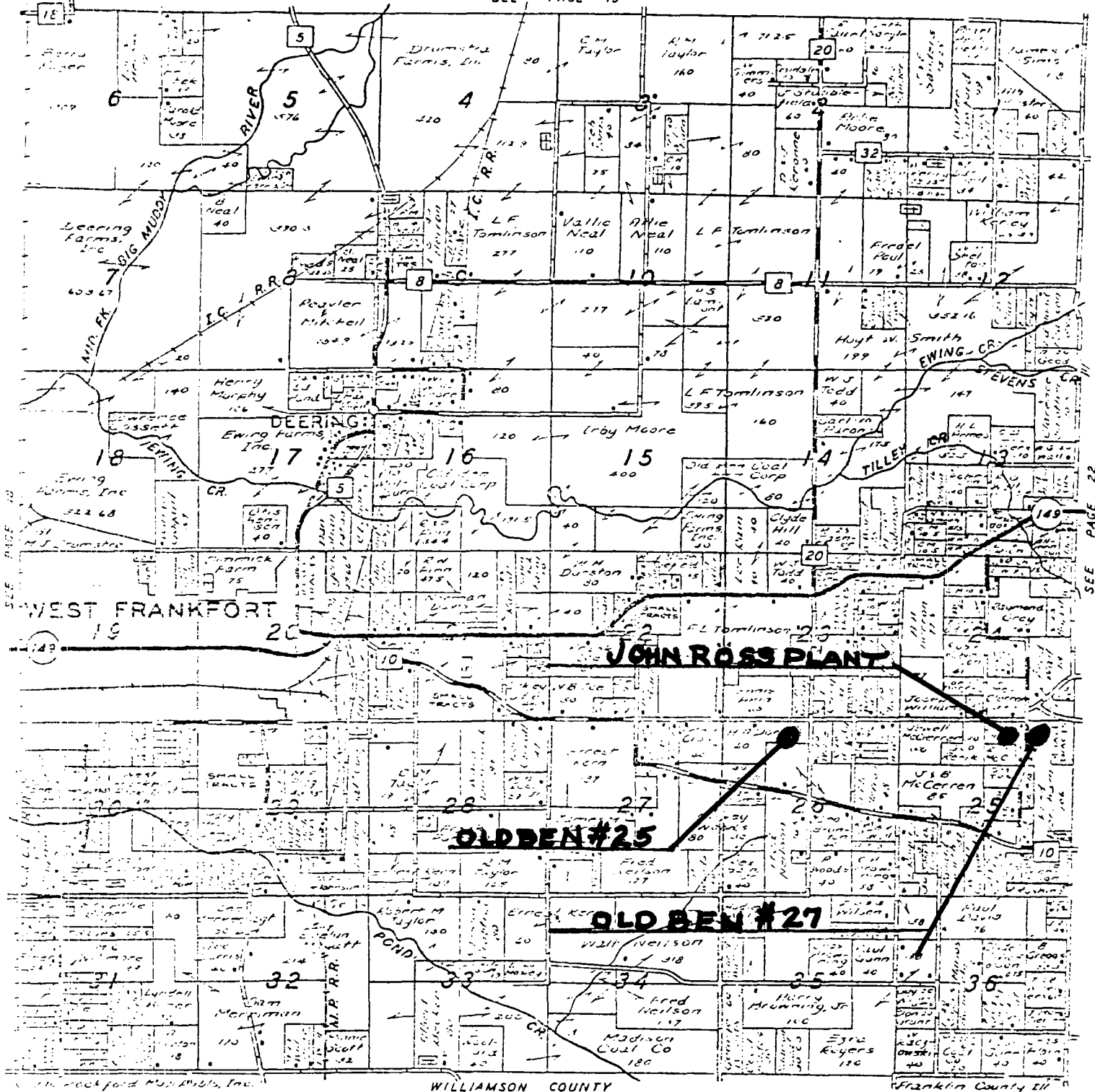
263-B



# FRANKFORT

T.7 S-R.3 E.

SEE PAGE 15



GEN. LOCATION MAP FOR OLD BEN MIXES #25, #27 & JOHN ROSS PL.

**JOHN M. VINCENT Realtor**

YOUR PERSONAL REALTOR

And Real Estate Appraisals

HOMES - BUSINESS - FARMS

Listed - Bought - Sold

NEW HOME CONSTRUCTION

"It Costs No More To Deal With A Realtor"  
"Selling This Entire Area"

DIAL: 932-6312

Residence & Office

112 N. 10A

W. FRANKFORT